

WEIB - CEC Natural Gas WorkShop

Interstate and Intrastate Pipeline Assumptions

(Docket No. 03-IEP-1)



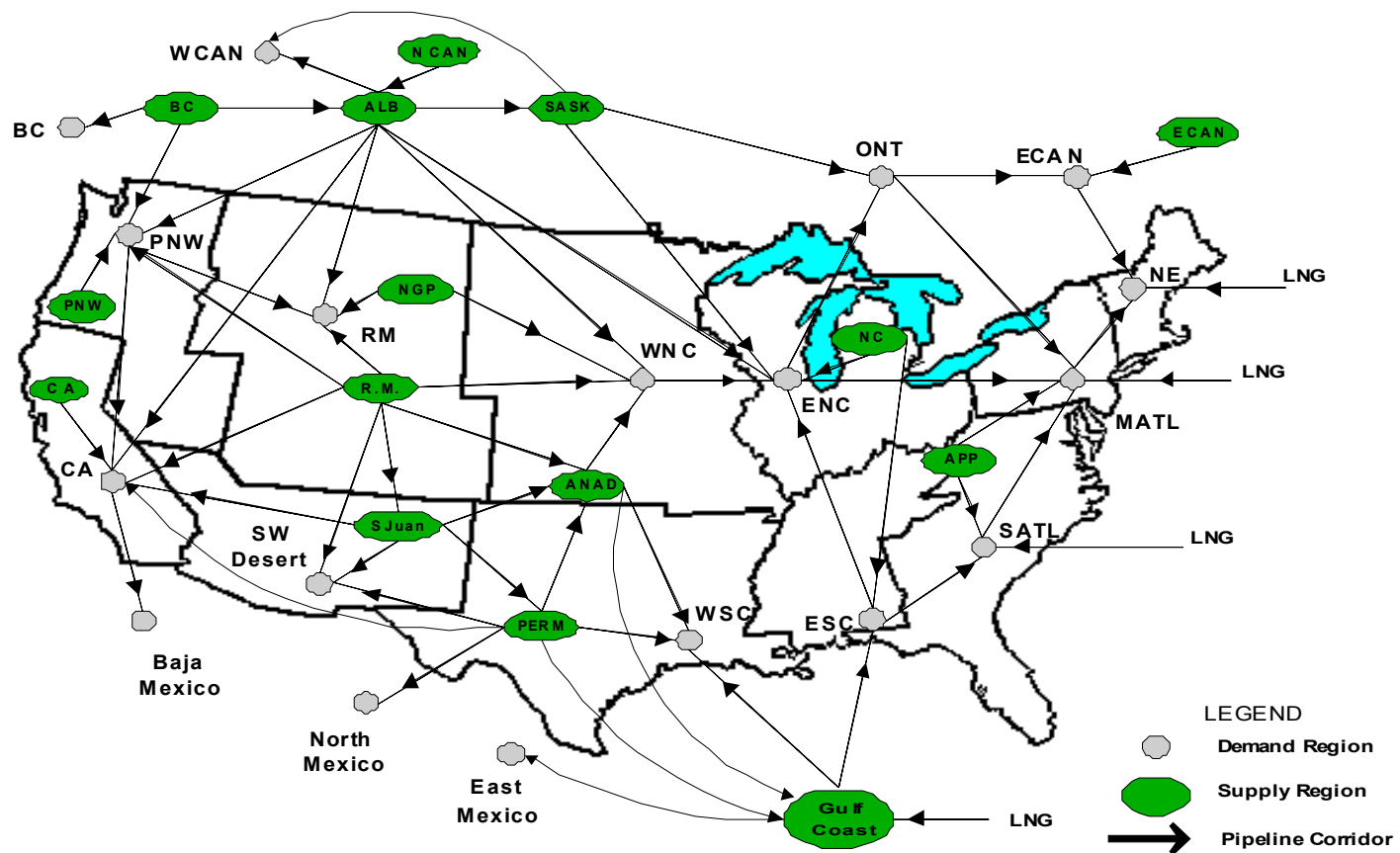
Presented by
Bill Wood
California energy Commission
June 29, 2004

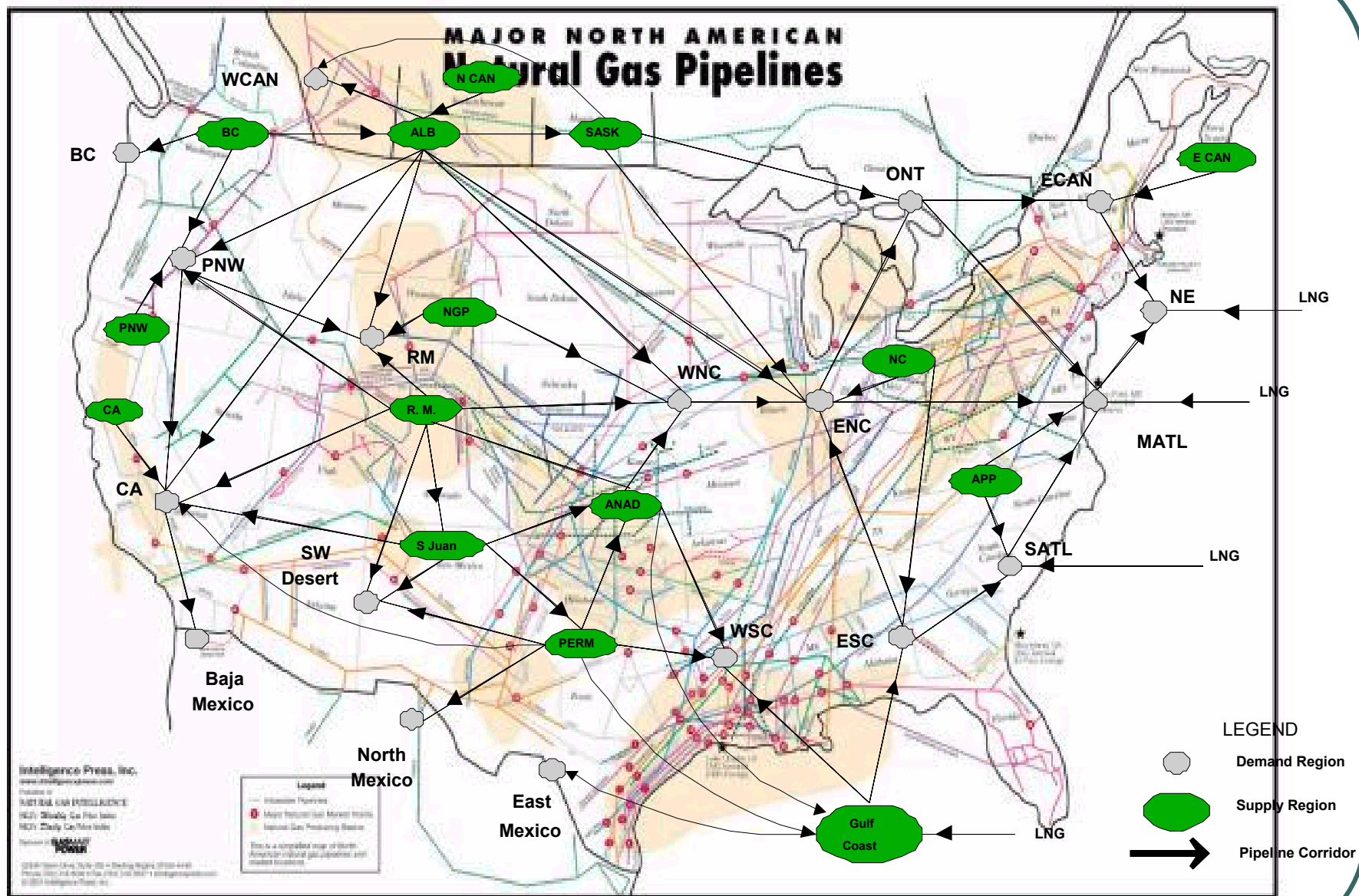


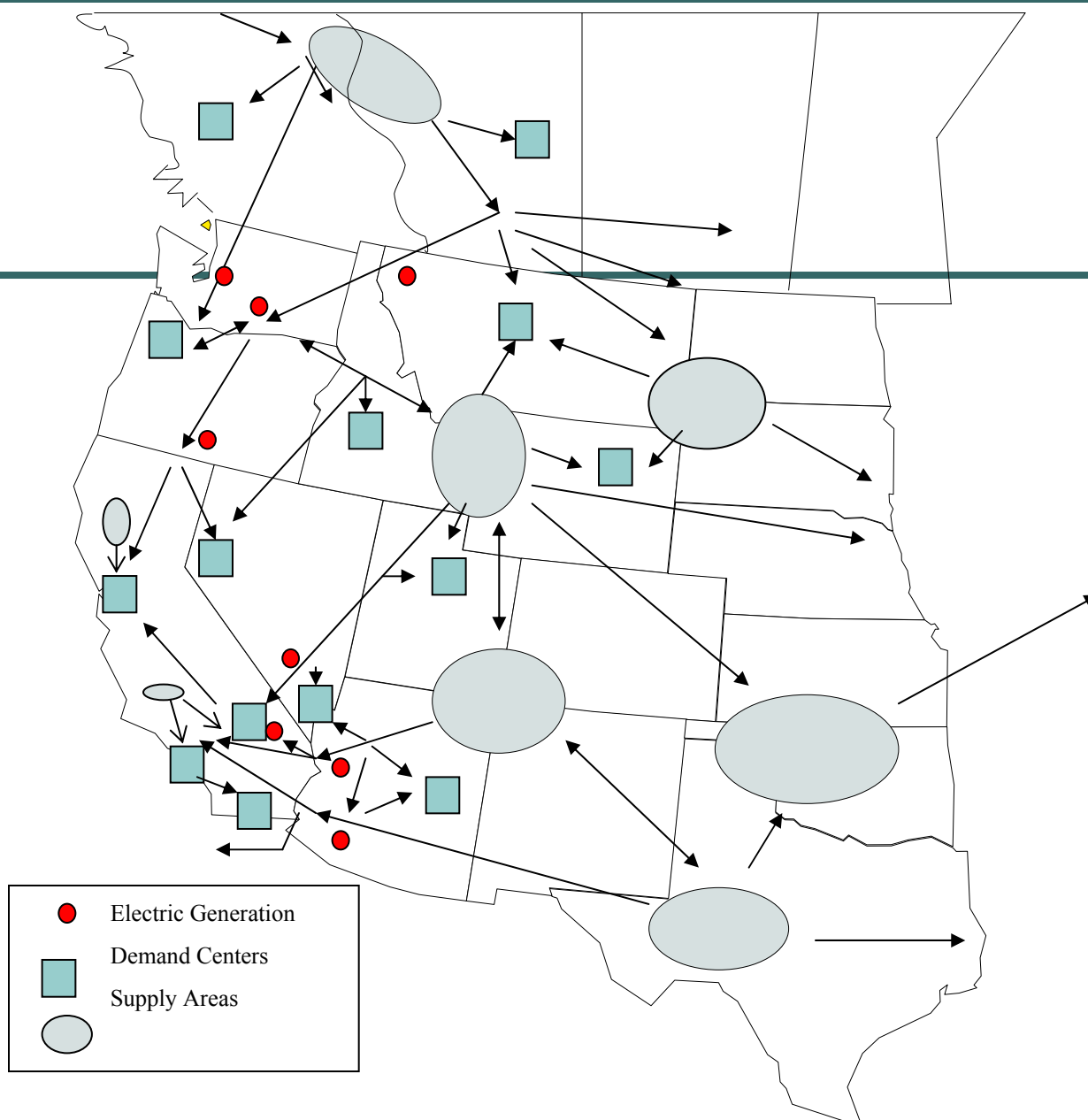
Topics

- Existing Pipelines
- Future Pipelines
- Pipes for LNG

North American Regional Gas Model - Network









Interstate pipeline basecase assumptions

- Must be existing or have received FERC approval
- Combined pipelines in same corridor
 - Capacity
 - Tariffs
 - Shrinkage (Compressor fuel)
 - Recently updated by BSA



Utility pipeline baseline assumptions

- Utility delivery markups determined for:
 - Core (Residential and commercial)
 - Noncore (Industrial)
 - Electric generation
 - Recently updated by BSA



Future expansions on existing pipelines

- Existing pipelines
 - Known expansions can be programmed to include capacity and transport costs
 - Existing pipes are allowed to expand to meet growing need beyond current and assumed capacity.
 - Transport costs may be adjusted to account for new capacity



Future new pipelines in basecase

- Rocky Mountains
 - CIG's Cheyenne Plains
 - TransColorado Rockies to Blanco
 - Will allow model to expand existing corridors as needed to represent proposals as KMP's Advantage Southern Pipeline.



ANGTS and MacKenzie Delta Pipelines

- Do we include in basecase or build sensitivity cases?
- What size, costs and availability dates are suggested?
- Should AGNTS be built separately or go “over the top”?



LNG pipelines in basecase

- LNG in the Bahamas
 - Include one the three proposed Bahamas to Florida pipelines in the basecase
- LNG in Baja California Mexico
 - Provide for flow reversal of the North Baja pipeline
 - Allow natural gas to flow into San Diego from Baja California
- LNG elsewhere include pipelines with the project